

**Marked-up Version of Amended Claims  
Pursuant to 37 C.F.R. §§ 1.121(c)**

1. (Amended) A method for analyzing a gas sample, comprising:  
providing a gas sample or converting a sample to a gas sample;  
increasing pressure applied to the gas sample to compress the sample to a smaller volume  
and provide a pneumatically focused gas sample; and  
analyzing the pneumatically focused gas sample by gas chromatography.

17. (Amended) The method according to claim 1 where analyzing the pneumatically  
focused sample comprises reducing the pressure of the carrier-pneumatic focusing gas  
simultaneously with or subsequent to a pneumatically focused sample being injected onto a  
separatory column [or a spectrometric cell].

31. (Amended) The method according to claim 1 where analytes from the  
pneumatically focused sample are determined by a detector selected from the group consisting of  
FID, IR, FTIR, NDIR, ECD, TCD, [NPO] NPD, [FPO] FPD, UV/Visible detectors, and  
combinations thereof.

37. (Amended) A method for analyzing an air sample, comprising:  
collecting an air sample;  
increasing the pressure of the sample to a pressure of from about 100 psi to about 15,000  
psi to pneumatically focus the air sample; and  
analyzing the pneumatically focused sample in real time using a gas chromatograph [or a  
spectrometer].

73. (Amended) The method according to claim [73] 72 and providing the sample to a  
column within a period of less than about 1 second.

74. (Amended) The method according to claim [55] 73 and providing the sample to a  
column within a period of less than about 1 millisecond.